<b>Work Orde</b> November-30-12				*94	N48*						Page 1	
Revision ID:	D4034-041 Aft Upper Rib	Assembly		Accept	*N900	040°	100	)* S	etup Star Stop	1 1	S1* S2*	
	12/12/12	Start Qty: 2.00	6x *2*		Cust Item I	n.				1 🔾		
Required Date:		Req'd Qty: 2.00	* <b>2</b> *		Customer:	υ.						
Reference:												
Approvals:	Process Pla	n: ML5	Date: \2 -\2 - (	Tooling:	Da	nte:		R	tun Star	1/1	R1*	
				_ SPC (Y/N):	Da	ıte:			Stop	` *N	R2*	
Sequence ID/ Work Center II	)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
Draw Nbr	Rev	ision Nbr					-					
D4034	В											
*100 *100* Large Fab Large Fab		Memo	s. rod Batch: 1/2235	0.00				6x		H 13	01-14	-
110 *110* QC Quality Control		2- Weld bu QC9- Inspect visual per Memo	ishing in rib and grind weld	,	, 13.1.15			6	· .	· .		
120 *120* QC		QC5- Inspect part comp	pleteness to step on W/O	0.00	(13-1-15			6_		·		

Quality Control

										DQA:	Date	:		
NCR:	Yes / No				WORK ORDER NON-C	CONI	FORN	MANCE / UPDATE		QA Closed:	Date			
										QA Closed.	Date			
Work Orde	ar:				DISPOSITION			AGAINST DEPARTMENT/PROCESS						
WOIR Old					Rework	1 <b>I</b>		Skid-tube Crosstube			Water Jet	Engineering		
Part f	No.				Scrap	1		Machining Small Fab	-	Prod	d. Eng. Coor.	Quality		
					Use-as-is		Therm	noforming Finishing		Rec/Stor	e/Packaging	Other		
NCR I	No				Work Order Update	]		Large Fab Composite			Supplier			
			T								<del></del>			
Root				l .	iption of work order update	1	itial	Action		Sign &				
Cause	Date	Step	Qty	ļ	or Non-conformance	Chie	ef Eng	Description		Date	Verification	QC Inspector		
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Unapproved											<u> </u>			
					F.	AULT	CATE	GORY						
Landi	ng Gear				General					•	_	_		
	Bending				Bend		Grain		L	Ovalized	Ĺ	Pressure/Forced		
	Centre Not Concentric to O/S BOM/Route						lardwa	re		Over/Under	tolerance	Temperature/Cure		
	Cracks Broken/Damaged						nspecti	on Incomplete		Part Incorre	ct [	Weld		
	Crushed	Crimped		Г	Burrs		nstruct	ions Incomplete/Unclear		Part Lost/Mi	ssing	Wrong Stock Pulled		
	Cuffs				Contamination		Mainte	enance		Part Moved				
	Heat Treat Countersink						Mislahe	led		Positioned Wrong				

Misread

Out of Calibration
Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Work Order ID 94048 Page 2 November-30-12 8:26:38 AM Item ID: D4034-041 Accept \*N900040100\* Setup Start **Revision ID:** Stop Item Name: Aft Upper Rib Assembly Start Qty: 2.00 **Start Date:** 12/12/12 **Cust Item ID:** Required Date: 12/12/12 Req'd Qty: 2.00 **Customer:** Reference: Run Start-**Tooling:** Date: **Approvals:** Process Plan: Date: Stop QC: Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ **Tool ID** Tool # Plan Reject Reject Insp. Accept **Work Center ID** Description Qty Code **Run Hours Qty** Number Stamp 130 Identify as per dwg & Stock Location: 0.00 \*130\* 0.00 Packaging Memo Packaging 140 QC21- Final Inspection - Work Order Release 0.00 \*140\*

0.00

Memo

QC

Quality Control

\$ 130×15

											DQA:	Date	<u>:</u>			
NCR:	Yes	/ No				WORK ORDER NON-C	:01	NFORN	MANCE / UPDATE		O A Classed	Date				
											QA Closed:	Date				
Work Orde	٠.,					DISPOSITION		AGAINST DEPARTMENT/PROCESS								
Part f	-				· · · · · · · · · · · · · · · · · · ·	Rework Scrap Use-as-is	Skid-tube Crosstube Machining Small Fab				Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other				
NCR 1	No.					Work Order Update	Thermoforming Finishing Rec/Store/Packaging Large Fab Composite Supplier						J			
Root					Descri	ption of work order update		Initial	Action		Sign &					
Cause		Date	Step	Qty	C	or Non-conformance	Ch	nief Eng	Description	n	Date	Verification	QC Inspector			
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						<del></del>	AUI	T CATE	GORY							
Landi	$\overline{}$					General		10			1	Г				
	Н	Bending				Bend	$\vdash$	Grain		<b>—</b>	Ovalized		Pressure/Forced			
	$\vdash$	Centre No	ot Concer	ntric to (	<sup>O/S</sup>	BOM/Route	-	Hardwa		-	Over/Under	<b>⊢</b>	Temperature/Cure			
:	H	Cracks				Broken/Damaged	$\vdash$	-	on Incomplete	_	Part Incorre	<b>-</b>	Weld			
	$\vdash$	Crushed/	Crimped			Burrs	-	4	ions Incomplete/Unclea	ar	Part Lost/M	- L	Wrong Stock Pulled			
	Cuffs Contamination							Mainte		<u> </u>	Part Moved					
	Ш	Heat Trea			<u> </u>	Countersink	<u></u>	Mislabe			Positioned \					
		Inspectio	•	Tube	<u> </u>	Cut Too Short	_	Misread	i	<u> </u>	Power Loss,	'Surge	Other			
		Ripples in	Bend			Drill Holes	ll Holes Offset									

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

## **Picklist Print**

November-30-12 8:26:37 AM

Work Order ID:

94048

Parent Item:

D4034-041

Parent Item Name:

Aft Upper Rib Assembly

**Start Date: 12/12/12** 

Required Date: 12/12/12

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP RevA: new issue DD 09.11.23 verified by:EC

IPP Rev:B as per dwg revA 10.03.15

				F 0
verified by EC	IPP ReviC	11 01 19 AS PER	DWG REV B DD	VERFIEC

	verified by:EC	IPP Kev:C I	11.01.19	AS PER DV	WG REV.B DL	VERF:EC							
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
<b>D4034-1</b> Rib		Manufactured	No			100	Each	20.0000	1	2	SY1	3:0/	11
				Location WA004		<u>Loc Qty</u> 20	<u>Lo</u>	oc Code					
<b>D4034-3</b> Rib		Manufactured	No	893	3597	19 100	Each	7.0000	1	2	SJ_i	3 <u>:01·</u>	-/-)
				Location WA005		<u>Loc Qty</u> 7 1	<u>L</u> c	oc Code		<u>.</u>			
<b>D4021-7</b> Hoop		Manufactured	No	893 893	120	100	Each	28.0000	1	×	Y 13.	01:11	:
				Location WA004		Loc Qty 28		oc Code					*
				874	428	1 15 12			6	<b>x</b>			

											DQA:	Dat	e:		
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											QA Closed:	Dat	е:		
Work Orde	or.					DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Part No.						Rework Scrap Use-as-is		Skid-tube Crosstube Machining Small Fab			Prod. Eng. Cod			Engineering Quality Other	
NCR I	No			<del></del>		Work Order Update			~ <b>—</b>	Finishing Rec/Store/Packaging Composite Supplier					
Root					Descri	ption of work order update		nitial	Action		Sign &				
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng	Description	on	Date	Verification	٦	QC Inspector	
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Training													1		
Unapproved	П														
						F	AUL	T CATE	GORY						
Landi	ng G	ear				General		_			_			_	
		Bending				Bend		Grain			Ovalized		L	Pressure/Forced	
		Centre N	ot Conce	ntric to	o/s	BOM/Route		] Hardwa	re		Over/Under	tolerance	L	Temperature/Cure	
		Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct		Weld	
		Crushed/	Crimped			Burrs		Instruct	ions Incomplete/Uncl	ear	Part Lost/M	issing		Wrong Stock Pulled	
		Cuffs				Contamination		Mainte	nance		Part Moved				
	$\square$	Heat Trea	it			Countersink		Mislabe	led		Positioned Wrong			_	
į		Inspectio	n Strip in	Tube		Cut Too Short		Misread	· ·		Power Loss/Surge			Other	

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

November-30-12 8:26:37 AM

Work Order ID:

94048

Parent Item:

D4034-041

Parent Item Name:

Aft Upper Rib Assembly

**Start Date:** 12/12/12

Required Date: 12/12/12

Start Qty: 2.00

Required Qty: 2.00

-\sum_D4021-9  Bushing	Manufactured	No	100 Each	155.0000	4	8 SY 13.01.11
		<b>Location</b>	Loc Qty	Loc Code		
		WA004	155			
		66437	2			
		70333	4			
		72482	4			

3

23

47

82977 84717

88077

88377

									DQA:	Date:		
NCR: Yes	s / No				WORK ORDER NON-C		QA Closed:	Date:				
Work Order:					DISPOSITION			AGAINST DE	PARTMENT			
Part No.					Rework Skid-tube Crosstube Scrap Machining Small Fab Use-as-is Thermoforming Finishing			<del></del>		Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other	
NCR No					Work Order Update							
Root				Descri	ption of work order update	Initial	Ac	ction	Sign &			
Cause	Date	Step	Qty	(	or Non-conformance	Chief Eng	Desc	ription	Date	Verification	QC Inspector	
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quip/Tooling												
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Setup	]											
Other												
Process											•	
Supplier											•	

**Landing Gear** General Pressure/Forced Grain Ovalized Bend Bending Temperature/Cure BOM/Route Hardware Over/Under tolerance Centre Not Concentric to O/S Part Incorrect Weld Cracks Broken/Damaged Inspection Incomplete Part Lost/Missing Wrong Stock Pulled Crushed/Crimped Burrs Instructions Incomplete/Unclear Cuffs Contamination Maintenance Part Moved Mislabeled Positioned Wrong Heat Treat Countersink Other Power Loss/Surge Inspection Strip in Tube Cut Too Short Misread Offset **Drill Holes** Ripples in Bend Out of Calibration Torque Waves in Extrusion Drawing Out of Sequence Turning Sequence Finish Folio

**Outside Dimensions** 

**FAULT CATEGORY** 

Wave/Twist in Tube

Training Unapproved







